

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (previously presented) A composition comprising an extract of orange peel containing three or more polymethoxylated flavones, wherein said flavones are selected from the group consisting of 4', 5, 6, 7, 8-pentamethoxyflavone, 3', 4', 5, 6, 7, 8 - hexamethoxyflavone, 5, 6, 7, 3', 4' - pentamethoxyflavone, 5 - hydroxy-6, 7, 8, 3', 4' - pentamethoxyflavone, 5 - hydroxy - 7, 8, 3', 4' - methoxyflavone, 5, 7 - hydroxy - 6, 8, 3', 4' - methoxyflavone, 5, 7, 8, 3', 4' - pentamethoxyflavone, 5, 7, 8, 4' - methoxyflavone, 3, 5, 6, 7, 8, 3', 4' - methoxyflavone, 5 - hydroxy - 3, 6, 7, 8, 3', 4' - methoxyflavone, 5 - hydroxy - 6, 7, 8, 4' - methoxyflavone, 5, 6, 7, 4' - methoxyflavone, 7 - hydroxy - 3, 5, 6, 8, 3', 4' - methoxyflavone, and 7 - hydroxy - 3, 5, 6, 3', 4' - methoxyflavone, and a physiologically acceptable carrier or excipient.
2. (previously amended) A composition comprising the extract of claim 1 and at least one other compound selected from the group consisting of rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a black tea extract, and a hydroxylated or methoxylated resveratrol analog.
3. (currently amended) A method for ~~inhibiting~~ treating tumor cell growth in an animal comprising administering to an animal the extract of claim 1.
4. (currently amended) A method for ~~inhibiting~~ treating tumor cell growth in an animal comprising administering to an animal the composition of claim 2.

5. (currently amended) A method for ~~prevention or~~ treating or reducing the incidence of cancer in an animal comprising administering to an animal an effective amount of [[an]] the extract of claim 1.
6. (previously amended) The method of claim 5 further comprising administering at least one additional compound selected from the group consisting of a rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a hydroxylated resveratrol analog, a black tea extract, and a methoxylated resveratrol analog.
7. (currently amended) A nutraceutical for ~~prevention or~~ treatment or reducing the incidence of cancer comprising the composition of claim 1 or 2.
8. (previously amended) The nutraceutical of claim 7 wherein said nutraceutical is administered orally as a tablet, capsule or liquid.
9. (previously amended) The nutraceutical of claim 7 wherein said nutraceutical is formulated for administration by inhalation, by injection, by rectally, or vaginally.
10. (currently amended) A dietary supplement for ~~prevention or~~ treating or reducing the incidence of cancer comprising the composition of claim 1 or 2.
11. (previously amended) The dietary supplement of claim 10 wherein said dietary supplement is administered orally as a tablet, capsule or liquid.
12. (new) A composition comprising an extract of orange peel containing polymethoxylated flavones, wherein the flavones are 5,6,7,3',4'-pentamethoxyflavone, 5,6,7,8,3',4'-hexamethoxyflavone, 5,6,7,8,4'-pentamethoxyflavone, 5-hydroxy-6,7,8,3',4'-pentamethoxyflavone, 5-hydroxy-7,8,3',4'-methoxyflavone, 5,7-hydroxy-6,8,3',4'-

methoxyflavone, 5,7,8,3',4'-pentamethoxyflavone, 5,7,8,4'-methoxyflavone, 3,5,6,7,8,3',4'-methoxyflavone, 5-hydroxy-3,6,7,8,3',4'-methoxyflavone, 5-hydroxy-6,7,8,4'-methoxyflavone, 5,6,7,4'-methoxyflavone, 7-hydroxy-3,5,6,8,3',4'-methoxyflavone and 7-hydroxy-3,5,6,3',4'-methoxyflavone, and a physiologically acceptable carrier or excipient.

13. (new) The composition of claim 12 further comprises at least one other compound selected from the group consisting of rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a black tea extract, and a hydroxylated or methoxylated resveratrol analog.

14. (new) A method for treating tumor cell growth in an animal comprising administering to an animal the composition of claim 12.

15. (new) A method for treating tumor cell growth in an animal comprising administering to an animal the composition of claim 13.

16. (new) A method for treating or reducing the incidence cancer in an animal comprising administering to the animal an effective amount of the composition of claim 12.

17. (new) The method of claim 16 further comprising administering at least one additional compound selected from the group consisting of a rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a hydroxylated resveratrol analog, a black tea extract, and a methoxylated resveratrol analog.

18. (new) A nutraceutical for treating or reducing the incidence of cancer comprising the composition of claim 12.

19. (new) A composition comprising polymethoxylated flavones and a physiologically acceptable carrier or excipient, wherein said flavones are a mixture of isolated 5,6,7,8,3',4'-

hexamethoxyflavone and 5,6,7,8,4'-pentamethoxyflavone, and a physiologically acceptable carrier or excipient.

20. (new) A composition comprising the polymethoxylated flavones of claim 19 and at least one other compound selected from the group consisting of rosemary extract, a Mexican Bamboo extract, a Huzhang extract, resveratrol, a black tea extract, and a hydroxylated or methoxylated resveratrol analog.

21. (new) A method for treating tumor cell growth in an animal comprising administering to an animal the extract of claim 19.